

Appendix 1

Fig. 1 of priority provisional application 60/136,436



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|--------------|---|-----|
| | MANASGEPGGVGGGLAAALGSAYVKLALLGLLLCVSLAGNALLALLVVKERALHKAPYYLLLDLCLADGL | |
| | 10 20 30 40 50 60 70 | |
| ARE-2 | MANTTGEPEEVSGALSPPSASAYVKLVLLGLIMCVSLAGNALLSLVLKERALHKAPYYFLLDLCLADGI | 70 |
| hu GPR27 pro | MANAS-EPGGSGGGEAAALG---LKLATLSLLLCVSLAGNVLFALLIVRERSLHRAPYYLLLDLCLADGL | 66 |
| | RAAACLPAVLAARHGAAAAGAPPGALGCKLVAFLAALFCFHAAFLLLGVGVTRYLAIAHHRFYAERLAG | |
| | 80 90 100 110 120 130 140 | |
| ARE-2 | RSAVCFPFVLASVRHGSSWTF---ALSKIVAFMAVLFCFHAAFLFCISVTRYMAIAHHRFYAKRMTL | 137 |
| hu GPR27 pro | RALACLPAVMLAARRAAAAAGAPPGALGCKLLAFLAALFCFHAAFLLLGVGVTRYLAIAHHRFYAERLAG | 136 |
| | WTCAAVLVCAAWALAVAAAFPPVLDGGGYKFIDEAQCALEQRYDGANGALGFLLLAVVVGATHAVYGK | |
| | 150 160 170 180 190 200 210 | |
| ARE-2 | WTCAAV-ICMAWTLNVAMAFPPVFDVGTYKFIREEDQCIFEHRYFKANDTLGFMLMLAVLMAATHAVYGK | 206 |
| hu GPR27 pro | WPCAAMLVCAAWALALAAAFPPVLDGGG---DDEDAPCALEQRPDGPAGALGFLLLAVVVGATHLVYLR | 203 |
| | LLLFIHDRKMKPAQLVPAVSQDWTFFHGPGATGQAAANWIAGFGRGPTPPALVGIRQAGHGRGARRLLGL | |
| | 220 230 240 250 260 270 280 | |
| ARE-2 | LLLFYRHRKMKPVQMPAISQNWTFHGPGATGQAAANWIAGFGRGMPPTLLGIRQNGHA-ASRRLGLM | 275 |
| hu GPR27 pro | LLFFIHDRRKMRPARLVPAVSHDWTFFHGPGATGQAAANWTAGFGRGPTPPALVGIRPAGPGRGARRLLVL | 273 |
| | DEVKGEKQLGKMFYAVTLLFLLWGPYVVASYLRVLVKAGAVPOAYLAAAVWLSFAQAGVNPVVCFLLNK | |
| | 290 300 310 320 330 340 350 | |
| ARE-2 | DEVKGEKQLGRMFYAITLLFLLWSPYIVACYWRVFKACAVPHRYLATAVWMSFAQAANPPIVCFLLNK | 345 |
| hu GPR27 pro | EEFKTEKRLCKMFYAVTLLFLLWGPYVVASYLRVLVRPGAVPOAYLTASVWLTFAQAGINPVVCFLFNK | 343 |
| | DLKDCLTAQAPCWGSGGATAATEPYCDLKGIGL- | |
| | 360 370 380 | |
| ARE-2 | DLKKCLTTHAPCWGTGGAPAPREPYC-----VM. | 374 |
| hu GPR27 pro | ELRDCFRAQFPCCQSPRTTQATHP-CDLKGIGL. | 376 |

Figure 1